

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-14 (Canceled).

Claim 15 (Currently Amended): A thin-film solar cell comprising:

an absorber layer;

at least one transparent window electrode disposed on a side on which light is incident, said window electrode comprising at least a first metallic layer and at least ~~one~~ a first antireflective layer deposited on the side on which light is incident, situated opposite the absorber layer; and

~~one or more first~~ a plurality of refractive dielectric oxide or nitride layer layers between the absorber layer and the metallic layer of the window electrode, said plurality of refractive layers each composed of a non-conductive oxide or nitride.

Claim 16 (Currently Amended): A thin-film solar cell according to Claim 15, wherein at least one of said ~~at least one first dielectric layer~~ plurality of refractive layers ~~includes~~ is composed of non-doped zinc oxide.

Claim 17 (Currently Amended): A thin-film solar cell according to Claim 15, wherein ~~the~~ said first metallic layer includes silver or silver alloy and ~~the~~ said first antireflective layer is a refractive oxide or nitride layer.

Claim 18 (Currently Amended): A thin-film solar cell according to Claim 15, wherein the window electrode is formed by a succession of layers comprising said ~~one or~~

~~more first refractive layer~~ plurality of refractive layers, said first metallic layer, ~~and~~ another refractive ~~dielectric~~ layer, and said first antireflective layer.

Claim 19 (Currently Amended): A thin-film solar cell according to Claim 15, wherein the window electrode comprises in succession said ~~one or more first refractive layer~~ plurality of refractive layers, said first metallic layer, another refractive layer, a second metallic layer, and said first antireflective layer.

Claim 20 (Currently Amended): A thin-film solar cell according to Claim 15, wherein each of said ~~one or more first refractive layer~~ plurality of refractive layers are composed of ~~includes~~ one of the oxides ZnO, SnO₂, BiO_x, TiO₂, Al₂O₃ and/or one of the nitrides AlN, Si₃N₄.

Claim 21 (Previously Presented): A thin-film solar cell according to Claim 15, further comprising a second electrode including at least one metallic layer and one refractive oxide or nitride layer.

Claim 22 (Previously Presented): A thin-film solar cell according to Claim 15, wherein the metallic layer of the window electrode has a thickness of less than 20 nm, and a total thickness of the window electrode is less than 120 nm.

Claim 23 (Currently Amended): A thin-film solar cell according to Claim 15, further comprising a blocking layer disposed between the metallic layer and said ~~one or more first refractive layer~~ plurality of refractive layers.

Claim 24 (Currently Amended): A process for manufacturing a thin-film solar cell comprising:

providing an absorber layer and at least one transparent window electrode dispersed on a side on which light is incident, ~~with~~ said window electrode comprising at least one a first metallic layer and one at least a first antireflective layer applied on the side on which light is incident; and

forming ~~one or more first a plurality of refractive dielectric oxide or nitride layer~~ layers between the absorber layer and the metallic layer of the window electrode, said plurality of refractive layers composed of non-conductive oxide or nitride.

Claim 25 (Currently Amended): A process according to Claim 24, wherein the window electrode is formed by a succession of layers ~~with one metallic layer between two refractive oxide or nitride layers~~ comprising said plurality of refractive layers, said first metallic layer, another refractive layer, and said first antireflective layer.

Claim 26 (Currently Amended): A process according to Claim 24, wherein the window electrode is formed by a succession of said ~~one or more first refractive layer plurality of refractive layers, of the said first~~ metallic layer, ~~and of another refractive layer, a second metallic layer, and said first antireflective layer.~~

Claim 27 (Previously Presented): A process according to Claim 24, further comprising forming a second electrode by applying at least one other metallic layer and one other refractive oxide or nitride layer.

Claim 28 (Previously Presented): A process according to Claim 24, wherein the absorber layer comprises chalcopyrite.

Claims 29-30 (Canceled).

Claim 31 (Currently Amended): A thin-film solar-cell according to Claim 17, wherein the antireflective layer said plurality of refractive layers comprises a layer of refractive oxide covered by a layer of nitride.

Claim 32 (Previously Presented): A thin-film solar cell according to Claim 15, wherein the absorber layer comprises a CIS structure.

Claim 33 (Currently Amended): A thin-film solar cell comprising:
an absorber layer;
at least one transparent window electrode disposed on a side on which light is incident, said window electrode comprising at least a first metallic layer and at least ~~one~~ a first antireflective layer deposited on the side on which light is incident, situated opposite the absorber layer; and
~~at least one first~~ a plurality of refractive dielectric oxide or nitride layer layers
between the absorber layer and the metallic layer of the window electrode, at least one of said plurality of refractive layers composed of non-conductive oxide or nitride and having a thickness of about 30 to about 50 nm 55 nm.

Claim 34 (Currently Amended): A thin-film solar cell according to Claim 33, wherein at least one of said ~~at least one first~~ plurality of refractive ~~dielectric oxide or nitride~~ layer layers includes non-doped zinc oxide.

Claim 35 (Previously Presented): A thin-film solar cell according to Claim 33, wherein the metallic layer includes silver or silver alloy and the antireflective layer is a refractive oxide or nitride layer.

Claim 36 (Currently Amended): A thin-film solar cell according to Claim 33, wherein the window electrode is formed by a succession of layers comprising ~~at least one dielectric layer~~ said plurality of refractive layers, said first metallic layer, ~~and~~ another refractive dielectric layer, and said first reflective layer.

Claim 37 (Currently Amended): A thin-film solar cell according to Claim 33, wherein the window electrode comprises in succession said ~~first refractive layer~~ plurality of refractive layers, said first metallic layer, a second refractive layer, a second metallic layer, and said first antireflective layer.

Claim 38 (Currently Amended): A thin-film solar cell according to Claim 33, wherein each of said ~~at least one first refractive layer~~ plurality of refractive layers includes one of the oxides ZnO, SnO₂, BiO_x, TiO₂, Al₂O₃ and/or one of the nitrides AlN, Si₃N₄.

Claim 39 (Previously Presented): A thin-film solar cell according to Claim 33, further comprising a second electrode including at least one metallic layer and one refractive oxide or nitride layer.

Claim 40 (Previously Presented): A thin-film solar cell according to Claim 33, wherein the metallic layer of the window electrode has a thickness of less than 20 nm, and a total thickness of the window electrode is less than 120 nm.

Claim 41 (Currently Amended): A thin-film solar cell according to Claim 33, further comprising a blocking layer disposed between the metallic layer and said ~~at least one dielectric layer~~ plurality of refractive layers.

Claim 42 (Currently Amended): A thin-film solar-cell according to Claim 35, wherein ~~the anti-reflective layer~~ said plurality of refractive layers comprises a layer of refractive oxide covered by a layer of nitride.

Claim 43 (Previously Presented): A thin-film solar cell according to Claim 33, wherein the absorber layer comprises a CIS structure.

Claims 44-45 (Canceled).